Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/26/2021 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124597	-1	2.39	124679	2.41
Blue	F	SSC	125000	124041	-1	3.43	125068	3.43
Blue	E	FITC	14203	13743	-4	2.84	297	14.62
Blue	D	PE	25703	25315	-2	2.51	549	10.56
Blue	B	PerCP-Cy5-5	42104	41594	-2	3.32	928	14.51
Blue	A	PE-Cy7	34646	34019	-2	4.57	483	30.42
Red	C	APC	49824	49319	-2	2.85	1514	11.31
Red	A	APC-Cy7	39773	39156	-2	2.95	730	11.85
Violet	B	V450	7447	7200	-4	3.88	399	13.37
Violet	A	V500	31193	30298	-3	3.66	686	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21963	2.75	548	-8	N/A	N/A	Pass
Blue	F	SSC	54260	3.01	512	0	N/A	N/A	Pass
Blue	E	FITC	55	51.89	484	-2	0.0474	136	Pass
Blue	D	PE	109	38.02	486	1	0.3840	269	Pass
Blue	B	PerCP-Cy5-5	176	36.48	579	2	0.0199	87	Pass
Blue	A	PE-Cy7	109	64.63	622	2	0.0200	0	Pass
Red	C	APC	350	23.20	567	0	0.0277	33	Pass
Red	A	APC-Cy7	202	24.42	545	1	0.0061	467	Pass
Violet	B	V450	89	42.60	449	0	0.0400	1401	Pass
Violet	A	V500	121	32.67	467	0	0.0232	1141	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.04	-31.87	1.03
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.51	15.99 - 23.99	N/A	N/A	30.32	30.43	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12300

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments